

Chairman Powell, Commissioners Abernathy, Kopps, Martin, and Abernathy:

RE: WE211 AND WE911 CALL-CENTERS USING WI-FI TO WiMAX FOR AN
UNLICENSED REFUGE NETWORK COMMONS vs THE USA AS THE LARGEST
DEBTOR-NATION AND CEOs OUTSOURCING

Refuge Network Commons: (open source, open architecture, open spectrum, open Web portal site with an open search engine used in Asia and Europe as a "common good" model)

Guild: proprietors, United Way, firefighters (911)
Academy: educators, Red Cross, E.R. physicians (211)
Councils: ministers, Salvation Army, police officers (911)
Co-op: parents, EMTs, citizen-soldier households (211)

Broadband, wireless, digital meshes network with mobile IP routing using Wi-Fi (PDA-Phones) WiMax (Notebook PC Work-Base Stations) and a WE211/WE911 Wi-Fi to WiMax o IPv6 Call Center. PDA-Phones: 300 ft. Notebook PC Work-Base Stations: 25 to 30 miles.

Interoperability Standards:

Windows desktop (affordable)
Linux OS (reliable)
Intel Wi-Fi and WiMax (durable) (Qwest DSL+Wi-Fi to WiMax)
IP v 6 with XML (all documents the same)
open office suite: GUILD (bar/geo codes)
open browser: ACADEMY (IP v 6, XML) for MySQL
open groupware: COUNCILS (Wi-Fi to WiMAX o IP with VPN)
open Web portal site with a search engine: CO-OP
VPN (Level I cyber-security)
GPS (location capability)

Tom Ridge has made these statements:

- 1) "We must do things differently than in the past and go into uncharted waters (broadband, wireless, digital, meshes networks with mobile IP routing)."
- 2) "A Nation survives from the bottom-up (homes, places of worship, schools, small businesses)."
- 3) "Citizens must partner together for their own protection (Refuge Network Commons)."

Ricard Clarke made it evident at a Cyber-terrorism meeting at the University of Denver; that homes, places of worship, schools and small businesses are basically "naked" to a First Responder lock-down and/or a cyber attack. A lock-down means no electric, no water, no gas and no wireline 911. A cyber attack means each home, place of worship, school and small business needs to have a solar panel for a battery (PDA-Phone) and/or a portable, propane generators (Notebook PC Work-Base Station) as a back-up. PDA-Phones and Notebook PC Work-Base Stations can come off-of the shelf as rugged. Yes, with each PDA-Phone and Notebook PC Work-Base station as an equal peer and node to send, receive and tranceive in a meshes network.

I know what can be done with smart radios via the Arapahoe County Sherriff's Office in Colorado. Very expensive. I know from federal-state-county-municipal-foundation cutbacks what is affordable for the Mile-Hi United Way 211 call-center.

And, I know that a Wi-Fi to WiMax broadband, wireless, digital, meshes network with mobile IP routing is from 1/7th to 1/8th the cost of copper, coax, fiber strand or satellite. I also know that First Responders are out-numbered by citizen in urban and suburban area by a ratio of 1 to 500 to 1000+. And I know that in the State of TEXAS there is a VoIP and VPN 211 WIRELINE NETWORK. Qwest wants to get rid of all its analog, regulated POTS lines and go to digital, unregulated DSL + Wi-Fi to WiMAX lines. I know that there is a turff war between First Responders and free and commercial Wi-Fi that is a grab for leasing. Shame on them and shame on us for letting this turff war go on.

Chairman Powell and Commissioners we have to win a war against terrorism as well one against a manufacturing and tech-telecom recessions, an engergy crisis with blackouts and higher prices, pandemics of all kinds, drought with wildfires, etc., cutbacks and lost jobs, lost benefits, lost retirements, lost savings and lost homes. Wi-Fi to WiMax o IP broadband, wireless networks with mobile IP routing that can be backed-up with solar panels, batteries and protable, propane generators means the USA has a peace-making and peace-keeping strategy through a Refuge Network Commons in Iraq. Yes, Europe and Asia are ahead of the USA in terms of spectrum management. We have to take the best of the past (analog) and integrate it with the present (digital) based on fewer, but better and durable choices for earning (Guild), learning (Academy), caring (Councils) and sharing (Co-op) productivity where we all can pull together to work together in good times (211) and bad (911).

If we keep-up our unrestrained, arrogant greed and our willfully-ignorant and criminally-irresponsible power we will find ourselves in a domestic terrorism civil war as the largest debtor-nation.

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